

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 11335638  
PUBLICATION DATE : 07-12-99

APPLICATION DATE : 22-05-98  
APPLICATION NUMBER : 10156871

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INT.CL. : C09J 7/02 A01N 25/34 A01N 59/16 A01N 59/20 A61L 2/16

TITLE : ANTIBACTERIAL ADHESIVE TAPE

ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject sheet capable of easily protecting proliferation of bacteria by solely covering surfaces of kitchen instruments by using a non-drawn resin film containing an inorganic antibacterial agent and laying an adhesive layer on the back face.

SOLUTION: This antibacterial adhesive sheet is prepared by allowing a non-drawn resin film (preferably a polyester elastomer film) to contain an inorganic antibacterial agent (preferably a material supporting an antibacterial metal or metal compound) and laying a layer of an adhesive (preferably an acrylic resin-based adhesive). The non-drawn resin film can be a laminated film having two or more layers. In the inorganic antibacterial agent, when supporting the antibacterial metal or metal compound to a support, the supported amount is preferably 0.5-30 wt. The inorganic antimicrobial agent is preferably powdery one having 0.5-10  $\mu\text{m}$  average size. The sheet can adhere to recesses, corners and curves of kitchen instruments and effectively prevent proliferation of bacteria.

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